

## Abstract

The present invention provides a process for producing a polymerelectrolyte membrane comprising the steps of coating a solution of a polymerelectrolyte on at least one surface of a porous substrate and laminating the coated porous substrate and a supporting material while applying a tension  $F$  (kg/cm) in a range of the following expression (A)

$$0.01 \leq F \leq 10 \quad (A)$$

to the coated porous substrate. According to the present invention, a polymerelectrolyte composite membrane in which wrinkling and the like are suppressed and whose appearance is excellent can be continuously produced.